

## PATENT ABSTRACTS OF JAPAN

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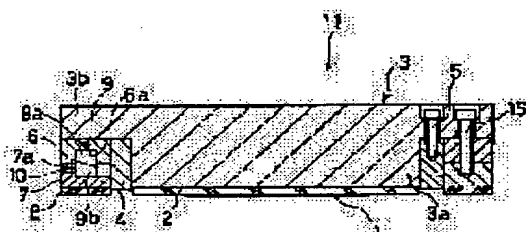
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## (54) POLISHING DEVICE

## (57)Abstract:

**PURPOSE:** To stabilize plate thickness with polishing finishing accuracy improved, by providing a thickness regulating member composed of harder material than a plate-to-be-polished on the outer peripheral part of a holder of the fixing base board for the plate-to-be-polished.

**CONSTITUTION:** The lower part of a holder 3 is made a small-diameter part 3a, having a diameter same as or slightly larger than that of a fixing base board 2, and the upper part is formed a large diameter part 3b having a diameter larger than that of the small-diameter part 3a. A disklike plate-to-be-polished 1, in which a polishing surface is made the lower side, is stuck to the lower side of the small-diameter part 3a with a double-side tape, etc. A fixed base board holding ring 4 is arranged on the outer periphery of the small-diameter part 3a to be fixed to the lower surface of the large-diameter part 3b with a holding ring bolt 5. Moreover, upper, middle, and lower thickness regulating rings 6, 7, and 8 are provided on three places at a peripheral direction even angle in order from the upper side on the lower side of the large-diameter part 3b on the outer periphery of the holding ring 4. This lower thickness regulating ring 8 is formed from ceramic or cemented carbide or Ti-N-coated material.



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